Specifications

FOX T USW 103

NOTE: The FOX T USW 103 is not compatible with the FOX 3G HD-SDI, FOX 3G DVC, or FOX AV models.

NOTE: These units are class 1 laser products. They meet the safety regulations of IEC-60825.

NOTE: *Appropriate HDMI to DVI-D cables or adapters are required for DVI signal input/output.

Optical fiber interconnection between transmitter and receiver

Operating distance

multimode cable with a MM unit

NOTE: Operating distance is approximate. These are typical maximum distances that may vary depending on factors such as fiber type, fiber bandwidth, connector splicing, losses, modal or chromatic dispersion, environmental factors, and kinks.

Nominal peak wavelength 850 nm for MM units, 1310 nm for SM units

Transmission power

Singlemode -5 dBm, typical Multimode -5 dBm, typical

Maximum receiver sensitivity

Singlemode -18 dBm, typical Multimode -12 dBm, typical

Optical loss budget

Video

Digital

pixel for pixel; higher resolution 2K (2048x1080) @ 60 Hz undersampled

Formats...... RGB and YCbCr digital video

Analoa

Gain Unity

Video input

Digital

Number/signal type 2 HDMI, DVI, or DisplayPort

Analog

Nominal level...... 1 Vp-p for Y of component video

0.7 Vp-p for RGB and for R-Y and B-Y of component video

Minimum/maximum levels...... Analog: 0.3 V to 0.75 Vp-p with no offset, terminated

Horizontal frequency 30 kHz to 100 kHz

Vertical frequency 24 Hz to 120 Hz

Return loss <-40 dB @ 5 MHz

Sync

576p, 720p, 1080i, 1080p)

Input level 2.5 V to 5.0 Vp-p for RGBHV or RGBS

0.6 Vp-p for component video with tri-level sync

0.3 Vp-p for component video with bi-level sync

Input impedance...... 510 ohms

Audio

Gain

Audio input

NOTE: $0 \text{ dBu} = 0.775 \text{ Vrms}, 0 \text{ dBV} = 1 \text{ Vrms}, 0 \text{ dBV} \approx 2 \text{ dBu}$

Communications

Serial control ports

Over Fiber", shared with alarm port) (rear panel)

Baud rate and protocol

USB control port...... 1 front panel female mini USB B

USB standards USB 2.0, low speed

Extron Simple Instruction Set (SIS™)

General

Power supply..... External

Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts

Power consumption

Device and power supply 7.6 watts, 100-240 VAC, 50-60 Hz

Temperature/humidity Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing

Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing

Cooling Convection, vents on top and side panels

Thermal dissipation

Mounting

Rack mount...... Yes, with optional rack shelf

Furniture mount Yes, with optional under desk mounting kit

Enclosure type Metal

(Depth excludes connectors.)

Product weight 1.0 lbs (0.3 kg) per unit

Vibration ISTA 1A in carton (International Safe Transit Association)

Regulatory compliance

Safety..... CE, c-UL, UL

EMI/EMC...... CE, C-tick, FCC Class A, ICES, VCCI

Warranty 3 years parts and labor

NOTE: All nominal levels are at $\pm 10\%$.

NOTE: Specifications are subject to change without notice.

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